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(FILE 'HOME' ENTERED AT 17:22:52 ON 11 FEB 2004)

FILE 'CAPLUS, USPATFULL' ENTERED AT 17:23:16 ON 11 FEB 2004

L1	2270 S IONENE
L2	2028 S POLYMER AND L1
L3	1995 S MUCOSITIS
L4	3 S L2 AND L3
L5	3 DUP REM L4 (0 DUPLICATES REMOVED)

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WEST Search History

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DATE: Wednesday, February 11, 2004

Hide?	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>	
<input type="checkbox"/>	L5	5681862.pn.	2
<input type="checkbox"/>	L4	L3 and l1	4
<input type="checkbox"/>	L3	L2 and treat\$4	1210
<input type="checkbox"/>	L2	mucositis	1227
<input type="checkbox"/>	L1	ionene polymer	258

END OF SEARCH HISTORY

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L5 ANSWER 1 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2003:44334 USPATFULL

TITLE: **Ionene polymers** and their use as antimicrobial agents

INVENTOR(S): Fitzpatrick, Richard J., Marblehead, MA, UNITED STATES
Shackett, Keith K., Athol, MA, UNITED STATES
Klinger, Jeffrey D., Sudbury, MA, UNITED STATES

PATENT ASSIGNEE(S): GelTex Pharmaceuticals, Inc., Waltham, MA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003031644	A1	20030213
APPLICATION INFO.:	US 2002-51765	A1	20020117 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-262586P	20010118 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HAMILTON, BROOK, SMITH & REYNOLDS, P.C., 530 VIRGINIA ROAD, P.O. BOX 9133, CONCORD, MA, 01742-9133	
NUMBER OF CLAIMS:	74	
EXEMPLARY CLAIM:	1	
LINE COUNT:	1415	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Disclosed are **ionene polymers** having antimicrobial activity. "**Ionene polymers**" as used in this invention are cationic **polymers** in which a substantial proportion of the atoms providing the positive charge are quaternized nitrogens located in the main polymeric chain or backbone of the **polymer** rather than in pendant groups. Also disclosed are antimicrobial compositions comprising **ionene polymers** and methods for treating microbial infections in mammals comprising the step of administering to a mammal, a therapeutically effective amount of at least one antimicrobial composition of the invention. Also disclosed are antimicrobial compositions comprising at least one **ionene polymer** and methods for preventing, inhibiting or eliminating the growth, dissemination, and/or the accumulation of microorganisms on a susceptible surface (including, but not limited to, the formation of biofilms on a susceptible surface) comprising the step of contacting such surface with a composition of the invention.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 3 USPATFULL on STN

ACCESSION NUMBER: 2003:29819 USPATFULL

TITLE: **Ionene polymers** and their use in treating **mucositis**

INVENTOR(S): Fitzpatrick, Richard J., Marblehead, MA, UNITED STATES
Goddard, Philip J., West Newton, MA, UNITED STATES
Barker, Robert H., JR., Canton, MA, UNITED STATES
Shackett, Keith K., Athol, MA, UNITED STATES
Klinger, Jeffrey D., Sudbury, MA, UNITED STATES

PATENT ASSIGNEE(S): GelTex Pharmaceuticals, Inc., Waltham, MA, UNITED STATES (2)

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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003021761	A1	20030130
APPLICATION INFO.:	US 2002-51766	A1	20020117 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-262586P	20010118 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HAMILTON, BROOK, SMITH & REYNOLDS, P.C., 530 VIRGINIA ROAD, P.O. BOX 9133, CONCORD, MA, 01742-9133	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
LINE COUNT:	844	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A method of using **ionene polymers** for the treatment of **mucositis** and oral **mucositis** in mammals is provided. The method comprises administering to a mammal an effective amount of an **ionene polymer** to prophylactically or therapeutically treat **mucositis**.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:555360 CAPLUS

DOCUMENT NUMBER: 137:103933

TITLE: **Ionene polymers** and their use in treating **mucositis**

INVENTOR(S): Fitzpatrick, Richard; Goddard, Philip J.; Barker, Robert H., Jr.; Shackett, Keith K.; Klinger, Jeffrey D.

PATENT ASSIGNEE(S): Geltex Pharmaceuticals, Inc., USA

SOURCE: PCT Int. Appl., 36 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002056895	A2	20020725	WO 2002-US1118	20020117
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
US 2003021761	A1	20030130	US 2002-51766	20020117
US 2003031644	A1	20030213	US 2002-51765	20020117
PRIORITY APPLN. INFO.:			US 2001-262586P	P 20010118
AB	A method of using ionene polymers for the treatment fo			

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mucositis and oral mucositis in mammals is provided. The method comprises administering to a mammal an effective amount of an ionene polymer to prophylactically or therapeutically treat mucositis. An example polymer prepared was poly(hexamethylenebiscyanoguanidine-alt-4,9-dioxadodecane). Also an example showed that polyionenes are effective in treating mucositis in a hamster model following irradiation therapy.

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